| Electronic Patent A                     | \pp   | lication Fee | Transm   | ittal  |                         |  |  |  |
|---|---|--------------|----------|--------|-------------------------|--|--|--|
| Application Number:                     | 10674676  |              |          |        |                         |  |  |  |
| Filing Date:                            | 30-Sep-2003   |              |          |        |                         |  |  |  |
| Title of Invention:                     | Systems and methods for logging and recovering updates to data structures |              |          |        |                         |  |  |  |
| First Named Inventor/Applicant Name:    | Marc A. Najork  |              |          |        |                         |  |  |  |
| Filer:                                  | Joseph Frederick Oriti./Patricia Salazar                                  |              |          |        |                         |  |  |  |
| Attorney Docket Number:                 | MSFT-2557/304882.01   |              |          |        |                         |  |  |  |
| Filed as Large Entity                   |   |              |          |        |                         |  |  |  |
| Utility under 35 USC 111(a) Filing Fees |   |              |          |        |                         |  |  |  |
| Description                             |   | Fee Code     | Quantity | Amount | Sub-Total in<br>USD(\$) |  |  |  |
| Basic Filing:                           |   |              |          |        |                         |  |  |  |
| Pages:                                  |   |              |          |        |                         |  |  |  |
| Claims:                                 |   |              |          |        |                         |  |  |  |
| Miscellaneous-Filing:                   |   |              |          |        |                         |  |  |  |
| Petition:                               |   |              |          |        |                         |  |  |  |
| Patent-Appeals-and-Interference:        |   |              |          |        |                         |  |  |  |
| Post-Allowance-and-Post-Issuance:       |   |              |          |        | _                       |  |  |  |
| Extension-of-Time:                      |   |              |          |        |                         |  |  |  |
| Extension - 3 months with \$0 paid      |   | 1253         | 1        | 1110   | 1110                    |  |  |  |

| Description                       | Fee Code | Quantity          | Amount | Sub-Total in<br>USD(\$) |  |  |
|-----------------------------------|----------|-------------------|--------|-------------------------|--|--|
| iscellaneous:                     |          |                   |        |                         |  |  |
| Request for continued examination | 1801     | 1                 | 810    | 810                     |  |  |
|                                   | Tot      | Total in USD (\$) |        |                         |  |  |